

05/23/00
JC816 U.S. PTO

FORM PTO-1082

Attorney
Docket No.:

CHALB-86

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Sir:

Transmitted herewith for filing is the patent application of

Inventor: Philip E. Chalberg and Patrick B. Healy

for: METHOD AND APPARATUS FOR MOUNTING AN ELECTRIC WATER PUMP

Enclosed are:

☒ 3 informal sheets of drawing.

☐ An assignment of the invention to _____

☐ A certified copy of a _____ application.

☐ An associate power of attorney.

☒ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.

☒

The filing fee has been calculated as shown below:

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INDEP CLAIMS	4 -3=	1
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SMALL ENTITY	
RATE	FEE
	\$ 345.00
\$ 9	-0-
\$ 39	39.00
\$ 130	-0-
TOTAL	\$ 384.00

OTHER THAN A SMALL ENTITY	
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\$ 260	\$
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- ☐ Please charge my Deposit Account No. 06-0930 in the amount of \$_____. A duplicate copy of this sheet is enclosed.
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LEONARD TACHNER

Name of Applicant, Assignor or Registered Firm
Philip E. Chalberg and Patrick B. Healy
Signature

Respectfully submitted,

Leonard Tachner
Leonard Tachner
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**STATEMENT CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) & 1.27(b))—INDEPENDENT INVENTOR**

Docket Number (Optional)

CHALB-86

Applicant, Patentee, or Identifier: Philip E. Chalberg and Patrick B. Healy

Application or Patent No.: unknown

Filed or Issued: unknown

Title: METHOD AND APPARATUS FOR MOUNTING AN ELECTRIC WATER PUMP

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- ☒ the specification filed herewith with title as listed above.
☐ the application identified above.
☐ the patent identified above.

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☐ No such person, concern, or organization exists.
☒ Each such person, concern, or organization is listed below.

Hydrabaths, Inc., a California corporation
2100 South Fairview Street
Santa Ana, California 92704

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Philip E. Chalberg
NAME OF INVENTOR

Patrick B. Healy
NAME OF INVENTOR

NAME OF INVENTOR


Signature of inventor


Signature of inventor

Signature of inventor

5-15-00
Date

5-15-06
Date

Date

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

The present invention relates generally to the positioning and mounting of electric water pumps. The invention relates more specifically to the use of a unique pump mounting stand and pump-integrated mounting plates to position an electric water pump at a selected location along each of three orthogonal axes.

BACKGROUND ART

It is often necessary to position an electric water pump at a selected location along a vertical axis as well as along X and Y axes in one plane along an underlying surface. One such application is in the installation of a whirlpool bath system and in and around the exterior of a wall of a water enclosure such as a bathtub or the like. In order to provide unobstructed paths for water and air pipes, it is sometimes necessary to position a water pump adjacent the tub wall but elevated above the surface underlying the tub. Connecting the pump directly to the tub wall would not be practical. It would increase the noise and vibration effects of the pump and it would require putting holes in the tub wall which would be inimical to the water holding integrity of the tub and to the aesthetics of the entire system. Thus there is a need for a method and apparatus which permits the mounting of an electric pump along the exterior wall of a tub wherein the pump may be located at selected positions along the length and height of the tub wall as well as along a direction perpendicular to the tub wall; in other words, anywhere along three orthogonal axes relative to the exterior tub wall.

1 A search of the prior art has revealed the following issued U.S. Patents which may be
2 deemed pertinent:

3
4 3,483,434 Koertge
5 3,851,222 Michalak et al
6 3,903,443 Carlson
7 3,983,429 Allardice, Jr.
8 4,012,021 Duceppe
9 4,033,531 Levine
10 4,174,821 Levine
11 4,260,125 Levine
12 4,455,011 Levine
13 4,817,907 Cougan
14 4,877,984 Colwell et al
15 5,033,711 Gregorich et al
16 5,069,415 Mechalias
17 5,240,216 Lin et al
18 5,488,259 Cho
19 5,600,926 Ehrlich
20 5,709,359 Riley
21 5,725,190 Cuthbertson et al
22 5,975,480 Schaefer et al
23 6,002,586 Chen et al
24 6,011,336 Mathis et al

25
26
27 Of the foregoing, the following appear to be the most relevant to the present invention:
28

1 U.S. Patent No. 6,011,336 to Mathis et al is directed to a vibration isolating mounting
2 for whirlpool bath and spa type motor pump installations. A vibration isolation pad 14
3 rests on a floor or wall surface 16 and supports a motor mount 12. The pad 14 has
4 bumpers 40 at each corner to retain and clamp the motor mount 12 in place, needing
5 only two through bolts 48 to retain the motor mount and isolation pad to the mounting
6 surface.

7
8 U.S. Patent No. 4,033,531 to Levine is directed to a kit comprising a set of brackets
9 with a plurality of apertures in the form of slots that is adaptable for mounting a variety
10 of equipment such as electric motors, tanks, and the like. As shown in the Drawing, the
11 kits are adaptable to support various equipment using support brackets 18 and 20 and
12 upper sections 28 in combination with clamp 12. The support brackets and upper
13 sections have a plurality of elongated apertures 30 and slots 34 can be assembled in a
14 variety of configurations using fasteners 32.

15
16 U.S. Patent No. 3,983,429 to Allardice Jr., is directed to an adjustable motor mount for
17 accommodating motors of different lengths. A two-piece adjustable mounting base 10
18 is formed of base plate members 16, 18. The base plates have vertical supporting
19 yokes 12, 14 that engage the motor 40 and secure it by means of clamps 30 formed of
20 straps 32, 34. The mounting plates telescope together and are held in axial alignment
21 by means of channel members 25, 27 which engage a sliding contact with tongue
22 portion 23. The base plate members have a plurality of slots 21,29 that are adjusted to
23 be superimposed in concentric alignment so that securing means such as lock bolt 31
24 secures the base plates 16 and 18 together and to the mounting support.

1 U.S. Patent No. 5,488,259 to Cho is directed to a motor mount apparatus that can be
2 used with motors of various sizes. The motor mount is formed of a pair of identical
3 brackets 10, the brackets having a supporting wall 11 and two sides 13, 14 bent at 90
4 degrees from the supporting wall. Side 13 has a plurality of apertures 131 and side 14
5 has a plurality of apertures 141. The pair of brackets have their sides 13, 14 slid
6 together so that the contact faces 111 of the ends correspond to the spacing between
7 protrusions 2, 3 of motor 1 to be supported. Screws 20 are inserted into suitable holes
8 131 and 141 to interconnect the pairs of members 10 forming a box-like structure to
9 support the motor.

10
11 U.S. Patent Nos. 4,174,821, 4,260,125 and 4,455,011 to Levine are all directed to
12 brackets for mounting motors. These references have a plurality of brackets 10, 24, 22
13 and 36 with an arrangement of slots, 12, 14, 30, 32, 34, 42, 44 and 46 that provide
14 adjustable and versatile mounting structures for small horsepower electric motors such
15 as fan motors. The brackets can be secured to preformed mounting holes in a motor or
16 may be mounted to a threaded stud projecting from the motor and the brackets can be
17 bent or deformed to enable it to be used in a versatile manner, depending on
18 installation requirements.

19
20 All of the aforementioned prior art fails to provide a simple, low cost and convenient
21 way to mount an electric water pump at any location along three orthogonal axes
22 adjacent the exterior wall of a tub for use in whirlpool bath systems.
23

SUMMARY OF THE INVENTION

The present invention satisfies the aforementioned need by providing in a preferred embodiment, a method and apparatus for mounting an electric water pump adjacent the exterior wall of a bathtub or the like. More specifically, in the embodiment disclosed herein, the pump is fitted with mounting brackets having hooks and a separate mounting stand is provided to receive those hooks and thus secure the pump at a desired location. The stand comprises an integral bottom plate and vertical plate preferably at right angles to one another. The vertical plate has numerous hook hanger slots located virtually from the bottom to the top of the plate and provided in numerous columns and rows to receive the hooks on the pump mounting plates. On the illustrated embodiment of the vertical plate there are 90 such hook hanger slots distributed in two spaced sections. A first section receives two hooks from one of the pump mounting brackets and a second section receives two hooks from another of the pump mounting brackets. The spacing between sections corresponds to the spacing between brackets and the spacing between hook hanger slots in each section corresponds to the spacing between hooks on each bracket. The pump may, consequently, be mounted at multiple height locations along a substantial extent of the vertical plate. Multiple columns of slots permit accommodation of different size pumps. Furthermore, the stand is readily moveable along the tub wall exterior both parallel to the wall and perpendicular to the wall. The bottom plate is provided with elongated slots and apertures for being fastened to an underlying surface if so desired. Moreover, at least some of the hooks have holes for receiving a fastening device to further secure the pump to the stand if so desired. However, because the weight of the hanging pump is countered by the bottom plate, the combined pump and stand is relatively stable.

OBJECTS OF THE INVENTION

It is therefore a principal object of the present invention to provide a method and apparatus for mounting an electric pump or any other electric motor operated device at a selected location including a selected height above an underlying surface.

It is another object of the invention to provide a combined electric motor-operated device and stand which permits the device to be located at a desired position along each of three orthogonal axes.

It is yet another object of the invention to provide a combined electric water pump and mounting stand for positioning the pump anywhere in height as well as distance from and along an exterior wall of a bathtub or other water enclosure for use in a whirlpool bath system.

It is still another object of the invention to provide a whirlpool bath system having a pump mounted on a stand which permits the pump to be selectively raised vertically adjacent the tub wall without connecting mechanically to the wall itself and without additional hardware.

It is still another object of the invention to provide a pump stand which can be used to position different size pumps along three perpendicular axes.

BRIEF DESCRIPTION OF THE DRAWINGS

The aforementioned objects and advantages of the present invention, as well as additional objects and advantages thereof, will be more fully understood hereinafter as a result of a detailed description of a preferred embodiment when taken in conjunction with the following drawings in which:

FIG. 1 is a three-dimensional view of an electric water pump configured for use in the present invention;

FIG. 2 is a three-dimensional view of a preferred embodiment of a pump mounting stand according to the present invention; and

FIG. 3 is a three-dimensional view of the combination of the pump of FIG. 1 and the stand of FIG. 2 illustrating the use of the invention for raising the pump vertically.

DETAILED DESCRIPTION OF A PREFERRED EMBODIMENT

Referring to the accompanying drawings it will be seen that an electric water pump 10 comprises a pump portion 12, an inlet 14 and an outlet 16. Pump portion 12 is connected contiguously to a motor 18, the latter having a pair of mounting plates 20 and 22. Mounting plate 20 and 22 are conventional electric motor end plates except for integral hooks 24, a pair of which extend from each side of each mounting plate. At least one hook 24 of at least one such pair on at least one side of each such mounting plate 20 and 22, has a hole 26 for securing the pump 10 to a stand.

A pump mounting stand 30, shown best in FIG. 2, comprises a bottom or support plate 32 and a vertical or slotted plate 34. In the illustrated embodiment, plates 32 and 34 are integral portions of a unitary metal member and are bent at an axis 31 to form a right angle member wherein the plate 32 is substantially perpendicular to plate 34. Bottom plate 32 has a plurality of elongated apertures 33 and a plurality of round holes 35, both of which may be used to secure the bottom plate to an underlying surface if so desired. However, a feature of the invention is that pump mounting may be accomplished without requiring any additional hardware.

Vertical or slotted plate 34 has two groups of slots 36 arranged in columns and rows. One such group is intended for receiving the hooks 24 of mounting plate 20 and the other such group is intended for receiving the hooks 24 of mounting plate 22. However, because mounting plates 20 and 22 have hooks 24 on both sides, the pump 10 can be mounted either in the direction shown in FIG. 3 or in the opposite direction with inlet 14 and outlet 16 on the left side of the figure instead. The vertical and transverse spacing between slots 36 in each group, are the same so that hooks 24 on both plates 20 and 22 can be inserted through any two adjacent slots 36 in any of the columns of slots on vertical plate 34. Moreover, the spacing between corresponding

1 slots in respective groups, corresponds to the spacing between hooks 24 on respective
2 mounting plates 20 and 22 of pump 10 for different size pumps having longer or shorter
3 distances between plates 20 and 22. In this manner, and as depicted in FIG. 3, the
4 hooks 24 of mounting plate 22 are inserted into slots 36 in the fifth column of the left
5 group and hooks 24 of mounting plate 20 are inserted into the fifth column of the right
6 group. Moreover, the hooks are inserted into slots of the two groups which are the
7 same distance from the upper edge 37 of vertical plate 34. Thus in FIG. 3, each upper
8 hook of the respective mounting plates is inserted into the second slot from edge 37
9 and each lower hook of the respective mounting plates is inserted into the third slot
10 from edge 37. Of course, it will be understood that pump 10 may be affixed to stand 30
11 at virtually any desired height along vertical plate 34 as well as at any corresponding
12 slots 36 parallel to edge 37. Furthermore, the combined pump and stand may be
13 located at any selected position relative to another object such as an adjacent bathtub
14 wall. Once the pump hooks are inserted in the stand slots, a fastener may be inserted
15 into a selected hole 26 to further secure the pump to the stand.

16
17 It will be understood that while the preferred embodiment employs slots on mounting
18 stand 30 and hooks on motor plates 20 and 22, the opposite configuration would also
19 provide the benefits of the invention. Thus for example, a stand having hooks and a
20 motor having plates with slots on flanges extending perpendicular to the plates, would
21 provide a viable alternative embodiment of the invention.

22
23 Having thus disclosed a preferred embodiment of the invention, it being understood
24 that numerous modifications and additions may be made to the illustrated embodiment
25 and that such modifications and additions will now be apparent to those having the
26 benefit of the above disclosure, what is claimed is:

CLAIMS

1. An apparatus for holding and positioning an electric motor-operated device in each of three orthogonal directions; the apparatus comprising:

a stand having a support plate and a slotted plate, the slotted plate extending substantially perpendicular to said support plate and being affixed thereto;

5 said slotted plate having a plurality of elongated slots at selected spaced-apart locations, some of said slots being further from said support plate than others of said slots;

an electric motor-operated device; and

10 at least one hook extending from said device for insertion through a selected one of said slots for hanging said device on said stand.

2. The apparatus recited in claim 1 wherein said support plate and said slotted plate are integral to one another being formed from a unitary member.

3. The apparatus recited in claim 1 wherein said device comprises at least one mounting plate and said at least one hook extends from said at least one mounting plate.

4. The apparatus recited in claim 1 wherein said device comprises an electric water pump.

5. The apparatus recited in claim 1 wherein one of said orthogonal directions is perpendicular to said support plate.

6. In a whirlpool bath system installed in a tub and having an electric water pump adjacent an exterior wall of the tub, an apparatus for supporting the pump above and spaced from a surface underlying the tub; the apparatus comprising:

a stand having a support plate and a slotted plate, the slotted plate extending substantially perpendicular to said support plate and being affixed thereto;

said slotted plate having a plurality of elongated slots at selected spaced-apart locations, some of said slots being further from said support plate than others of said slots;

at least one hook extending from the pump for insertion through a selected one of said slots for hanging the pump on the stand.

7. The apparatus recited in claim 6 wherein said support plate and said slotted plate are integral to one another being formed from a unitary member.

8. The apparatus recited in claim 6 wherein said pump comprises at least one mounting plate and said at least one hook extends from said at least one mounting plate.

9. A method for positioning an electric water pump adjacent a tub wall in an elevated position; the method comprising the steps of:

- a) forming a stand by bending a unitary planar member to provide a support plate and an attachment plate which is substantially perpendicular to said support plate;
- b) providing a plurality of first mating elements in said attachment plate;
- c) placing said stand adjacent said tub wall with the attachment plate generally parallel to the tub wall;
- d) forming at least one second mating element integrally to said pump; and
- e) mating said first and second mating elements.

10. The method recited in claim 9 wherein step b) comprises the step of providing some of said first mating elements further from said support plate than others of said first mating elements to provide different selectable levels of elevation for said pump.

11. The method recited in claim 9 wherein step d) comprises the step of forming said second mating element as a hook configured as a rigid extension of said pump.

12. An apparatus for holding and positioning an electric motor-operated device in each of three orthogonal directions; the apparatus comprising:

a stand that is self-supporting and having a pair of perpendicular integral plates, one of said plates being configured to receive said device;

5 an electric motor-operated device having spaced apart mounting brackets configured for attachment to said one of said plates;

said one of said plates and said mounting brackets having selectively mateable hooks and slots for attachment of said motor-operated device to said apparatus.

13. The apparatus recited in claim 12 wherein said hooks are on said mounting brackets and said slots are on said one of said plates.

1 CHALB-86

2
3
4 METHOD AND APPARATUS FOR MOUNTING AN ELECTRIC WATER PUMP
5

6
7 ABSTRACT OF THE DISCLOSURE
8
9

10 A method and apparatus for mounting an electric water pump adjacent the exterior
11 wall of a bathtub or the like. The pump is fitted with mounting brackets having hooks
12 and a separate mounting stand is provided to receive those hooks and thus secure
13 the pump at a desired location. The stand comprises an integral bottom plate and
14 vertical plate preferably at right angles to one another. The vertical plate has
15 numerous hook hanger slots located virtually from the bottom to the top of the plate and
16 provided in numerous columns and rows to receive the hooks on the pump mounting
17 plates. On the illustrated embodiment of the vertical plate there are 90 such hook
18 hanger slots distributed in two spaced sections. A first section receives two hooks from
19 one of the pump mounting brackets and a second section receives two hooks from
20 another of the pump mounting brackets. The spacing between sections corresponds to
21 the spacing between brackets and the spacing between hook hanger slots in each
22 section corresponds to the spacing between hooks on each bracket. The pump may,
23 consequently, be mounted at multiple height locations along a substantial extent of the
24 vertical plate. The multiple columns of slots provide suitable mounting for pumps
25 having different spacing between mounting brackets.
26

FIG. 1 is a perspective view of a device 10 in an open position. The device 10 includes a housing 12, a lid 14, a base 16, a front panel 18, a rear panel 20, a top panel 22, and a bottom panel 24. The device 10 is shown in a perspective view, and the components are labeled with reference numerals.

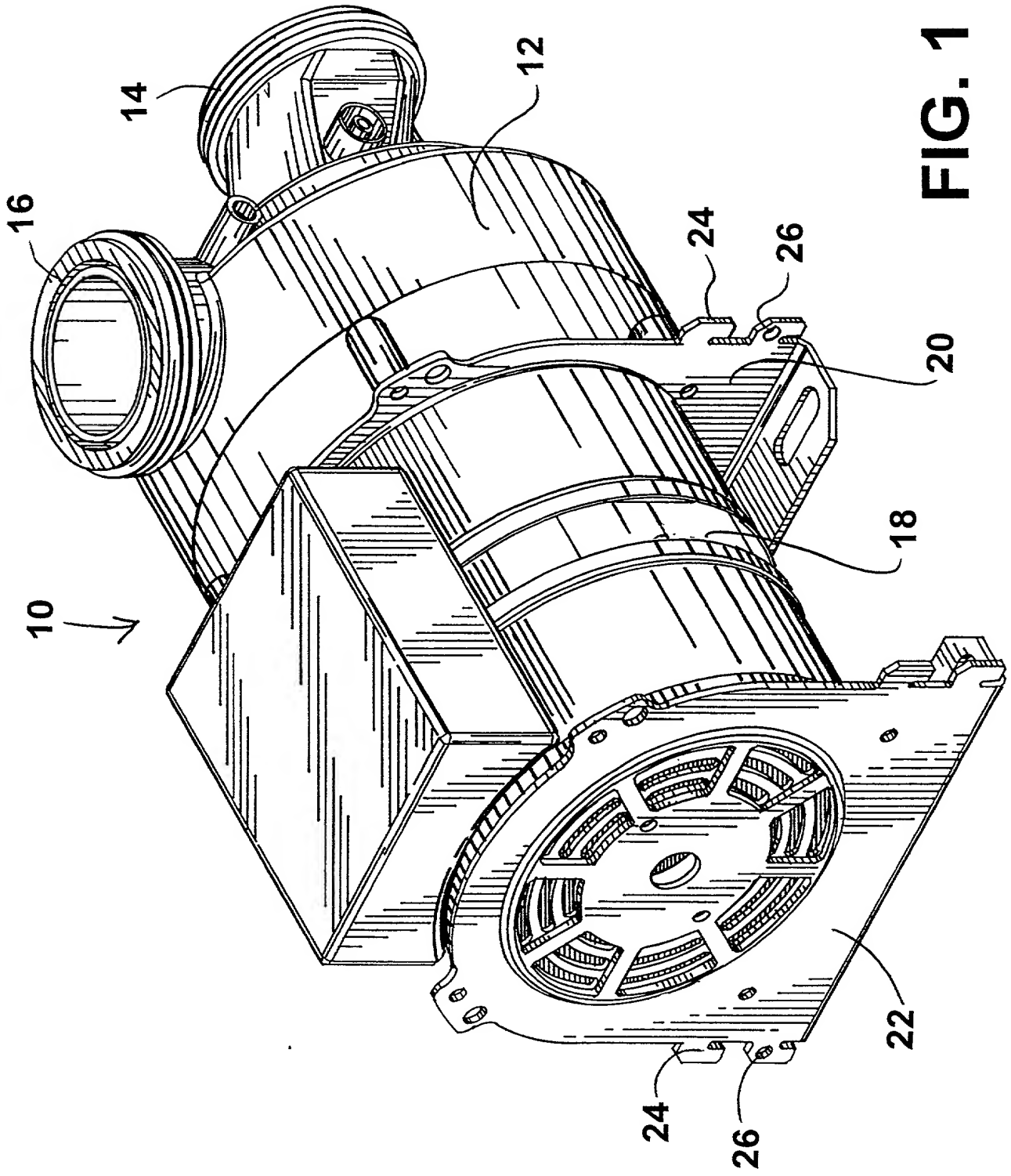


FIG. 1

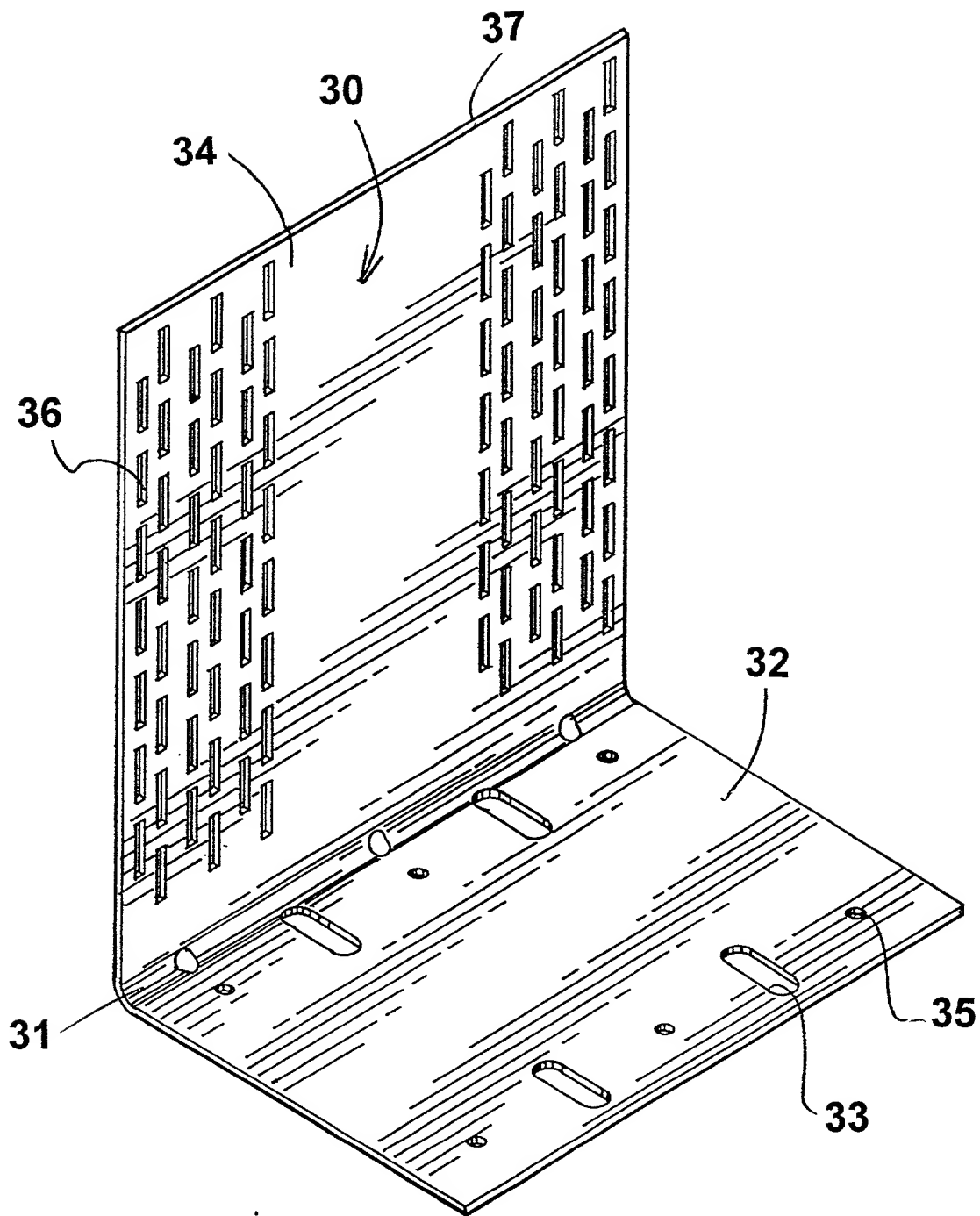


FIG. 2

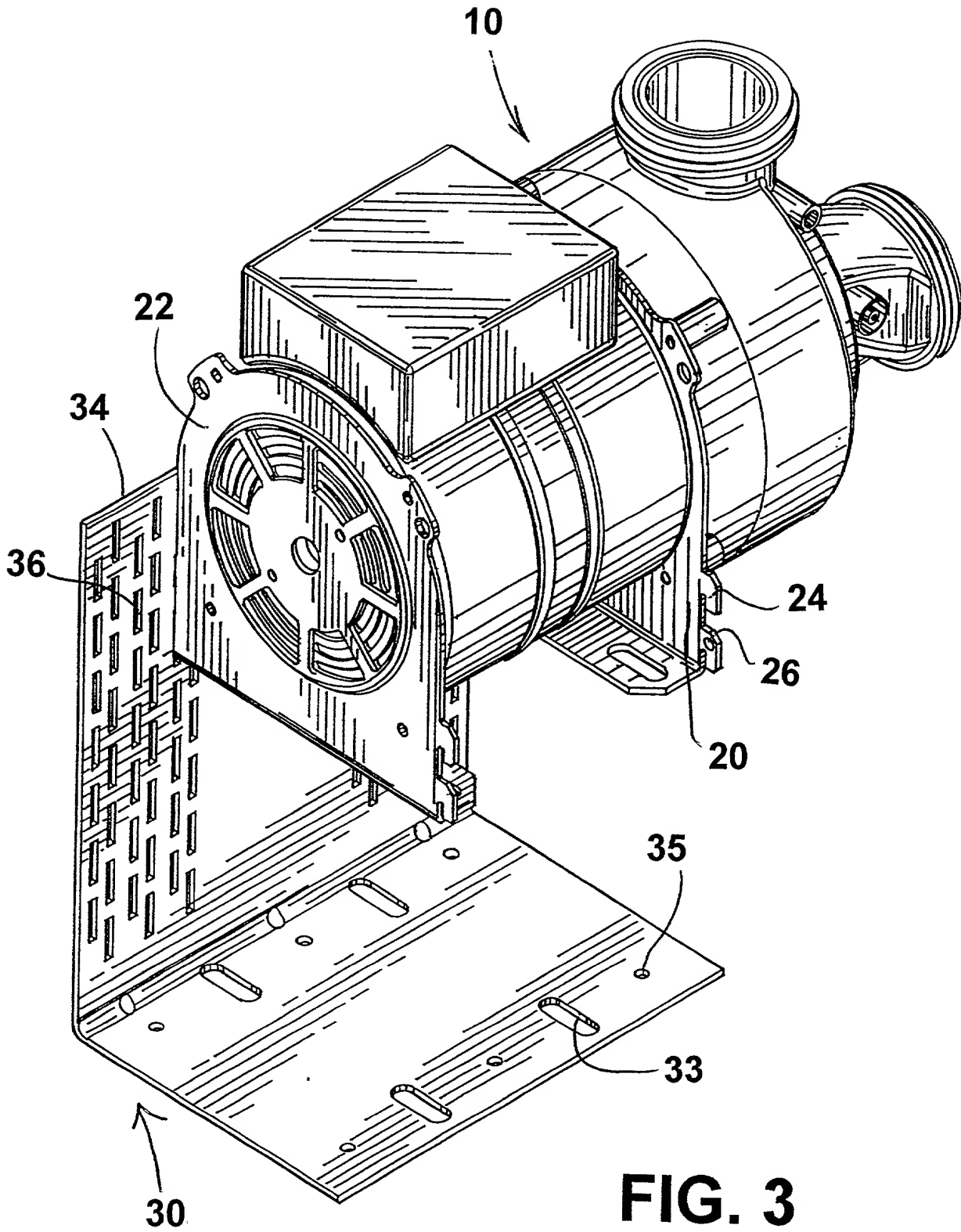


FIG. 3

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) <input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	CHALB-86
	First Named Inventor	Philip E. Chalberg
	COMPLETE IF KNOWN	
	Application Number	/
	Filing Date	
	Group Art Unit	
	Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR MOUNTING AN ELECTRIC WATER PUMP

the specification of which
☒ is attached hereto
OR
☐ was filed on (MM/DD/YYYY) [] as United States Application Number or PCT International Application Number [] and was amended on (MM/DD/YYYY) [] (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 3]

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DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☒ Customer Number 1054 ☐ Place Customer

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---	------

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Name	Registration Number	Name	Registration Number
LEONARD TACHNER	26,344		


☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number
or Bar Code Label

Name	LEONARD TACHNER, A PROFESSIONAL LAW CORPORATION						
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Address							
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Country	USA	Telephone	(949) 752-8525		Fax	(949) 955-2415	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])					Family Name or Surname		
Philip E.					Chalberg		
Inventor's Signature						Date	5-15-00
Residence: City	Costa Mesa	State	CA	Country	USA	Citizenship	USA
Post Office Address	3441 Santa Clara Circle						
Post Office Address	Costa Mesa, California 92626						
City	Costa Mesa	State	CA	ZIP	92626	Country	USA

☐ Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

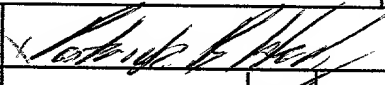
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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 3

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Patrick B.				Healy			
Inventor's Signature				Date	5-15-00		
Residence: City	Costa Mesa	State	CA	Country	USA	Citizenship	USA
Post Office Address	1675 Gisler Avenue						
Post Office Address	Costa Mesa, California 92626						
City	Costa Mesa	State	CA	ZIP	92626	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.